**Common Skills Assessed on AP Biology Short and Long Response Questions**

Ms. Ottolini, AP Biology

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| **Category** | **You Got It!**  (3 points) | **You’re Almost There!**  (2 points) | **You Need to Make Some Changes!**  (1 point) |
| Summarize known information. | You have stated or summarized known biology concepts accurately and thoroughly with relevant vocabulary. | You have stated or summarized known biology concepts with relevant vocabulary, but your summary may be missing one of the following elements—thoroughness or accuracy | You have stated or summarized known biology concepts, but your summary is inaccurate and may use unrelated vocabulary. |
| Make a prediction and justify it using known information. | Your prediction is logical and clearly supported by relevant known information. | Your prediction is logical but is not clearly supported by relevant known information. | Your prediction is not logical and is not clearly supported by relevant known information. |
| Propose a method to test a prediction or an improvement to a current method, and justify your choice (i.e. based on the rules of proper experimental design). | Your method includes all the important parts of an experiment that are applicable to the particular scenario (ex: control group, constants) or your proposed improvement is logical and justified based on the rules of proper experimental design. | Your method is missing some elements of a properly designed experiment or your proposed improvement is logical but is not justified. | Your method is missing most elements of a properly designed experiment or your proposed improvement is not logical or justified. |
| Create a graph from given data. | Your graph includes all elements of a properly designed graph: a descriptive title, axis labels (with units), proper axis scales, and a key (if multiple sets of data are used. | Your graph includes most elements of a properly designed graph: a descriptive title, axis labels (with units), proper axis scales, and a key (if multiple sets of data are used. | Your graph includes some or none of the elements of a properly designed graph: a descriptive title, axis labels (with units), proper axis scales, and a key (if multiple sets of data are used. |
| Use a statistical test to analyze data and explain the meaning of the test results. | Your statistical test results were correct and well summarized. The significance of these test results was clearly and accurately explained. | Your statistical test results were correct and well summarized, but the significance of these test results was not clearly and accurately explained. | Your statistical test results were incorrect, poorly summarized, and the significance of these test results was not clearly and accurately explained. |
| Make a conclusion / claim and supporting it with evidence. | You made a correct conclusion, provided relevant data to support the conclusion, and directly connected the data to the conclusion. | Either your conclusion is incorrect, you did not provide relevant data, OR you did not clearly connect the data to the conclusion. | Your conclusion is incorrect AND your data is unrelated to or poorly connected to the conclusion. |